

Water Master Plan Update Stakeholder Group Meetings

August 7, 2013



Meeting Agenda

1. Welcome and Introductions
2. Overview of the Water Master Plan Update
3. Purpose of the Stakeholder Meeting
4. Snapshot of Water Demand and Supply
5. Stakeholder Input and Discussion
6. Wrap Up



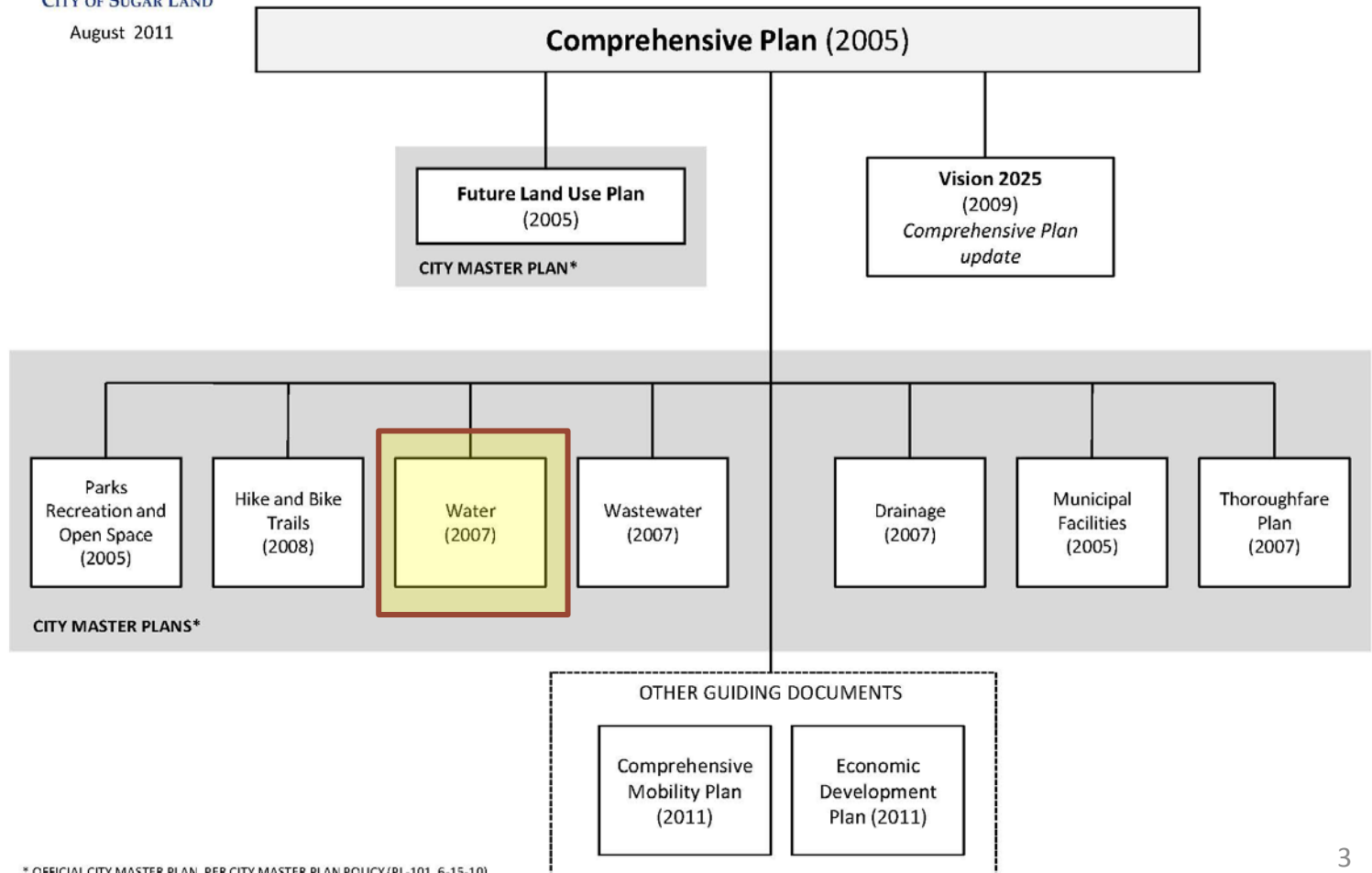
Sugar Land's Planning Process



CITY OF SUGAR LAND

August 2011

MASTER PLAN RELATIONSHIPS



* OFFICIAL CITY MASTER PLAN, PER CITY MASTER PLAN POLICY (PL-101, 6-15-10)

Sugar Land Vision 2025

Principles That Guide the Water Master Plan

- **Principle A – Safe Community**
 - ❖ **Safe & Reliable Water Supply**
- **Principle B – Beautiful Community**
- **Principle D – Environmentally Responsible**
 - ❖ **Water Conservation**
- **Principle I – Regional Business Center of Excellence**
- **Principle K – Community Pride in Sugar Land**



2012 Water Master Plan Update

- **Phase I – Traditional Master Plan**
 - System Assessment
 - Hydraulic Model
 - GRP Update
 - Capital Improvement Program
- **Phase II – Water Resource Strategy and Policy Development**



This Stakeholder Meeting Will:

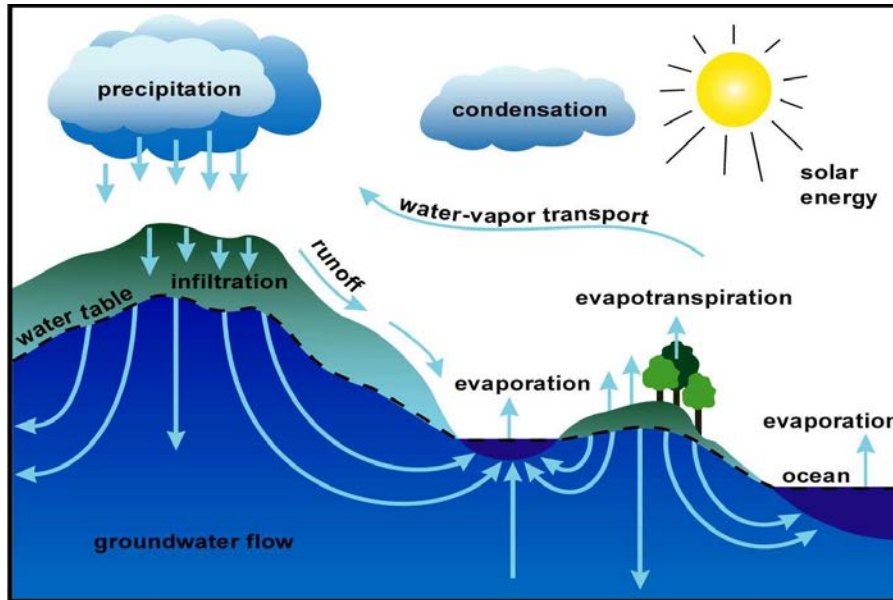
1. Help us understand what is important to the community
2. Provide information for vision and goals development



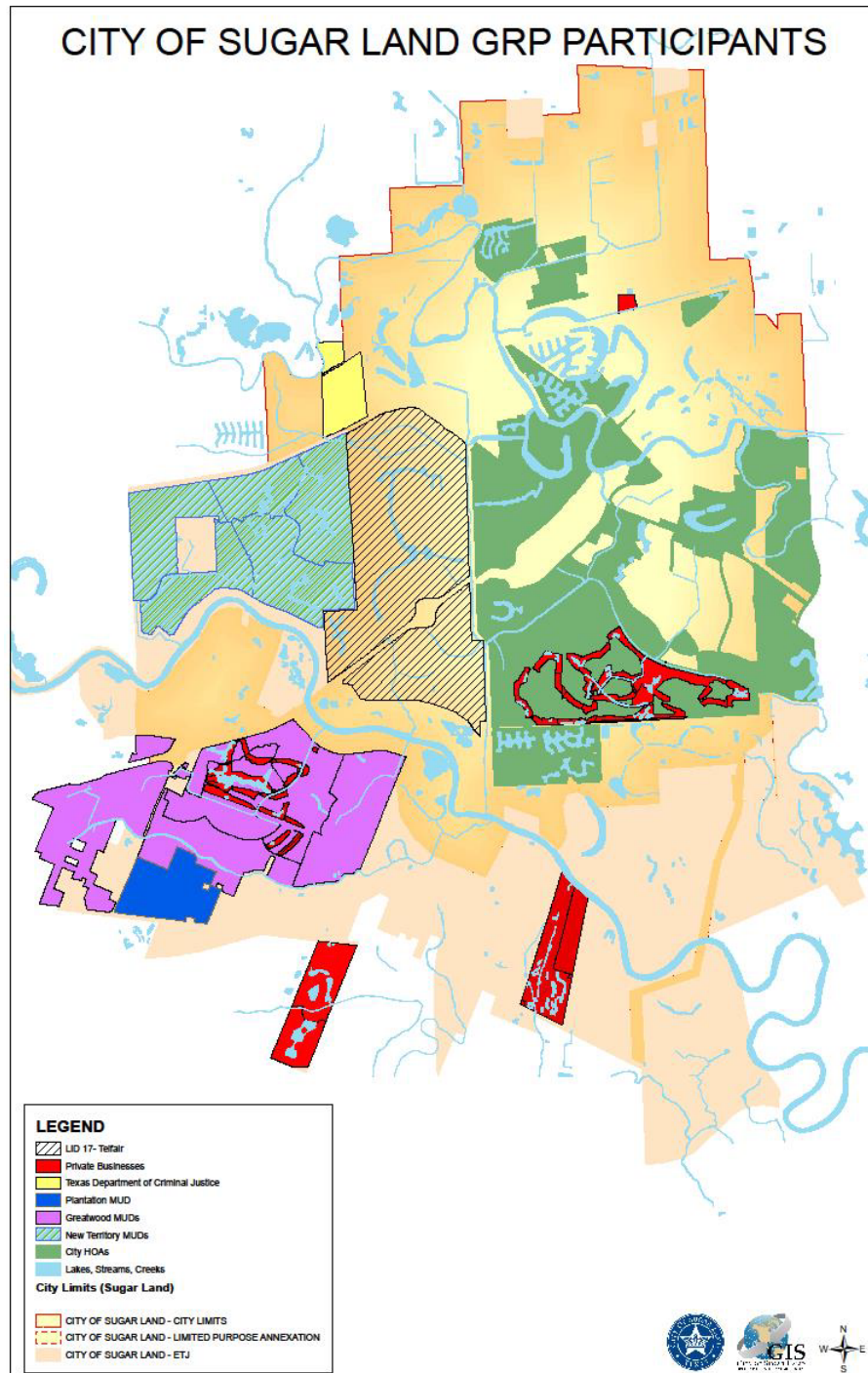
Snapshot of Water Demand and Supply



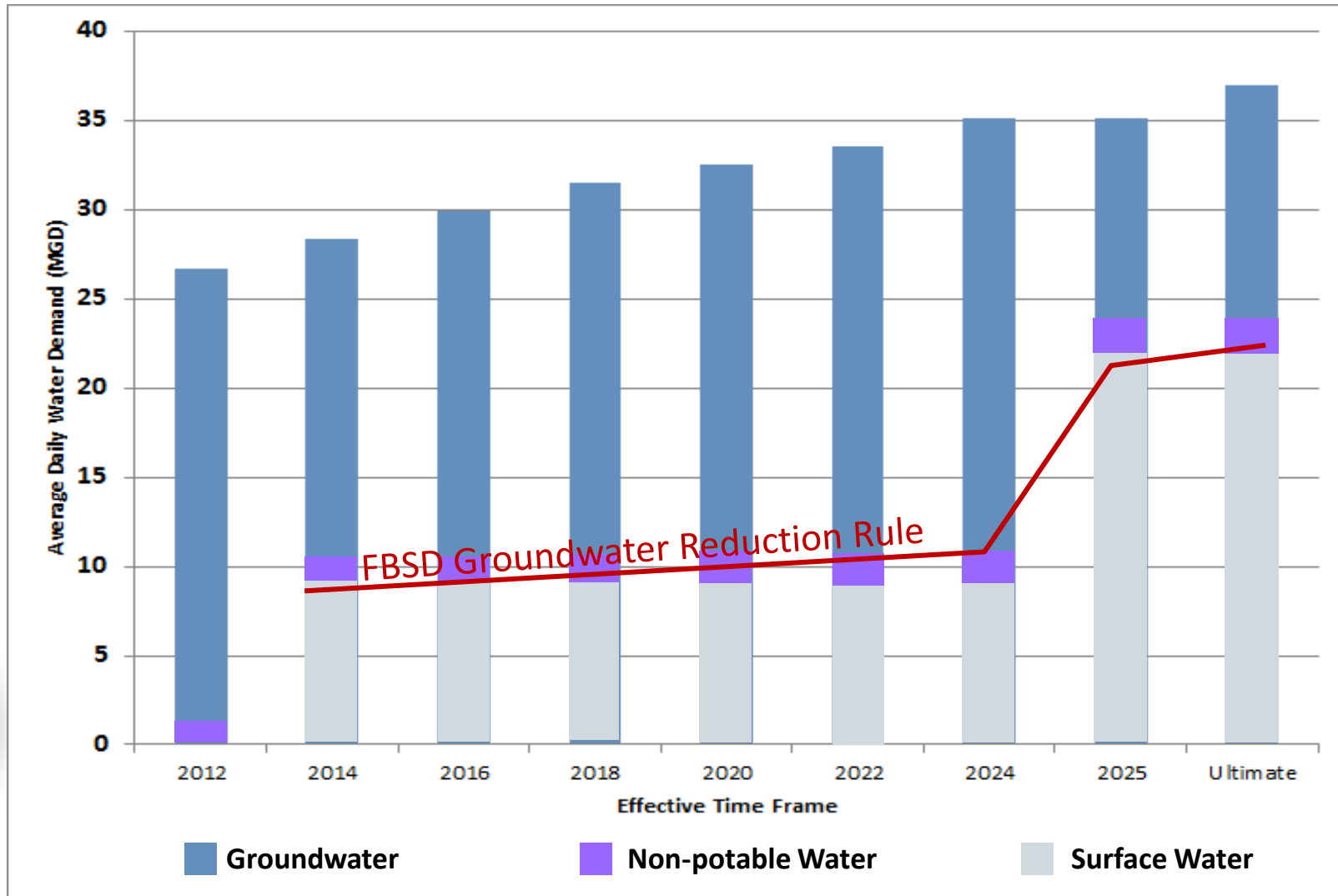
Do you know, where does your water come from?



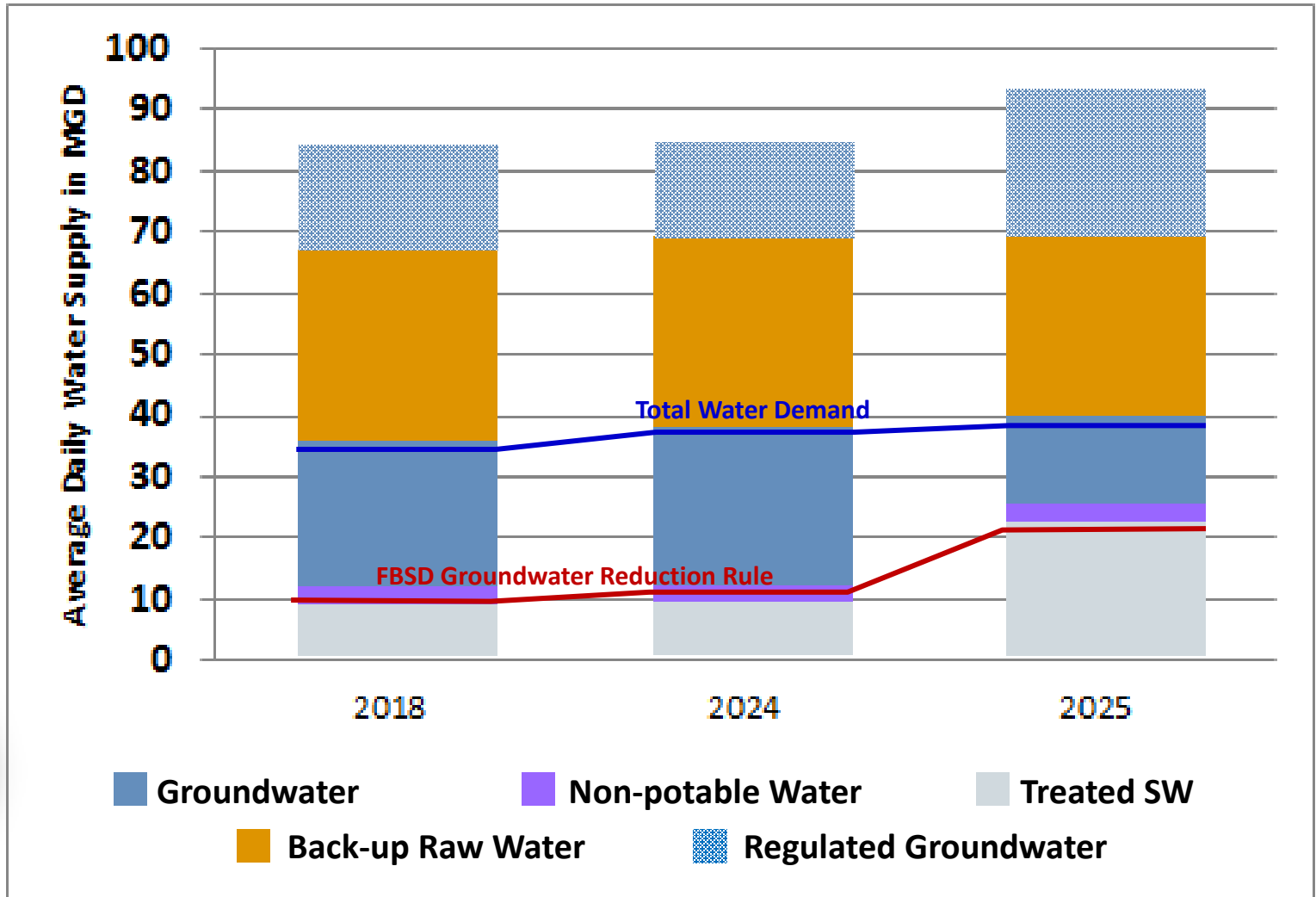
Who are
we
planning
for?



Total Water Demand View



Total Water Supply View



General Water Awareness Discussion



Think about how you
use water.

Which would you
consider needs versus
wants?



Do you know how
much you use and
spend on water each
month?



Typical Sugar Land Water Consumption

Average consumption for most:

- 400 gallons per day for each Equivalent Single Family Connection (ESFC)
- 12,200 gallons per month for each ESFC



Sugar Land Water Rate Examples

Meter Size	Winter Average	Monthly Consumption				
3/4	6,150	6,200				
		3,000	3,200			Total Charges
		Water Volume Charge				
	Base Charge	1 to 3,000 gal	3,000 - 10,000 gal	10,001 to 20,000	over 20,000	
		\$0.90	\$1.05	\$1.43	\$1.64	
Water	\$7.98	\$ 2.70	\$ 3.36			\$ 14.04
Surface Water \$1.61/1,000		\$ 9.98				\$ 9.98
Water/SW Total \$						24.02

Meter Size	Winter Average	Monthly Consumption				
3/4	6,150	27,000				
		3,000	7,000	10,000	7,000	Total Charges
		Water Volume Charge				
	Base Charge	1 to 3,000 gal	3,000 - 10,000 gal	10,001 to 20,000	over 20,000	
		\$0.90	\$1.05	\$1.43	\$1.64	
Water	\$7.98	\$ 2.70	\$ 7.35	\$ 14.30	\$ 11.48	\$ 43.81
Surface Water \$1.61/1,000		\$ 43.47				\$ 43.47
Water/SW Total \$						87.28



Water Conservation Discussion



Have you taken steps to reduce water consumption?

If yes ...

1. What steps taken?
2. Did you reduce water consumption?

If not ...

3. What are barriers to reducing water consumption?



Have you observed
excessive
or
wasteful water
usage in
Sugar Land?



Should we be
concerned about
excessive or
wasteful water
usage?



Should the City have a
role in curbing excessive
or wasteful water
usage?

If so, what should the
City's role look like?



What does water
conservation
mean to you?

Is it important?



Decisions on water conservation
can involve balancing principles
such as
affordability,
environmental responsibility,
and freedom.

Which of these principles are
most important? Why?



Should *we* invest in water conservation?

- Who is *we*?
- Should some pay more than others?
- Are you willing to invest now to secure a water supply for the future?





Drought Discussion

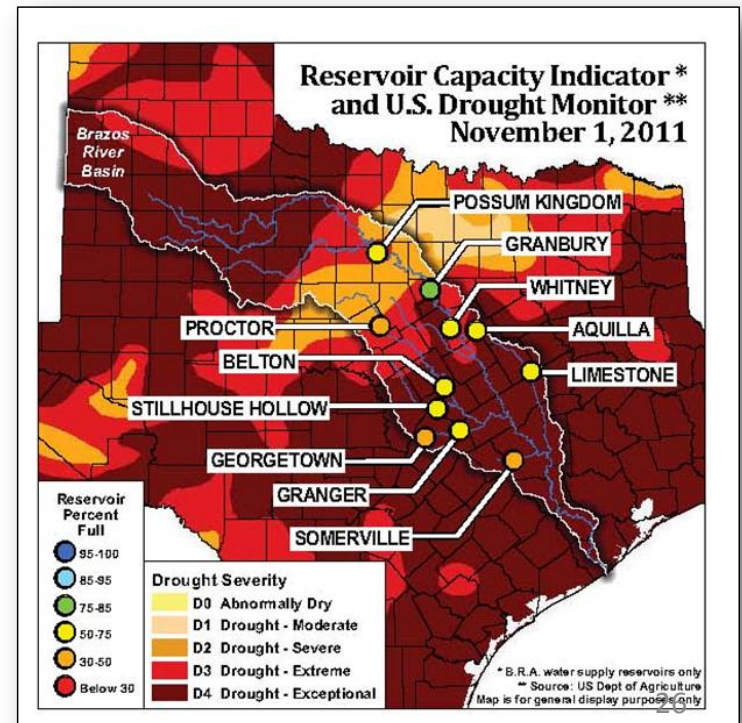


The 2011 drought was one of the worst droughts we've experienced

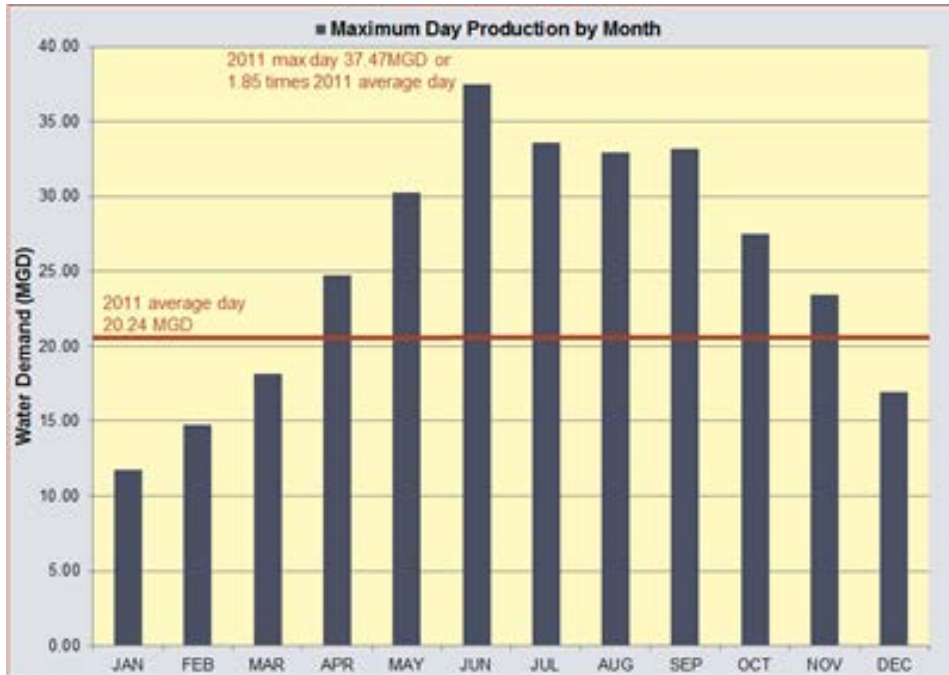
Were you impacted by the 2011 drought?



If so, how?



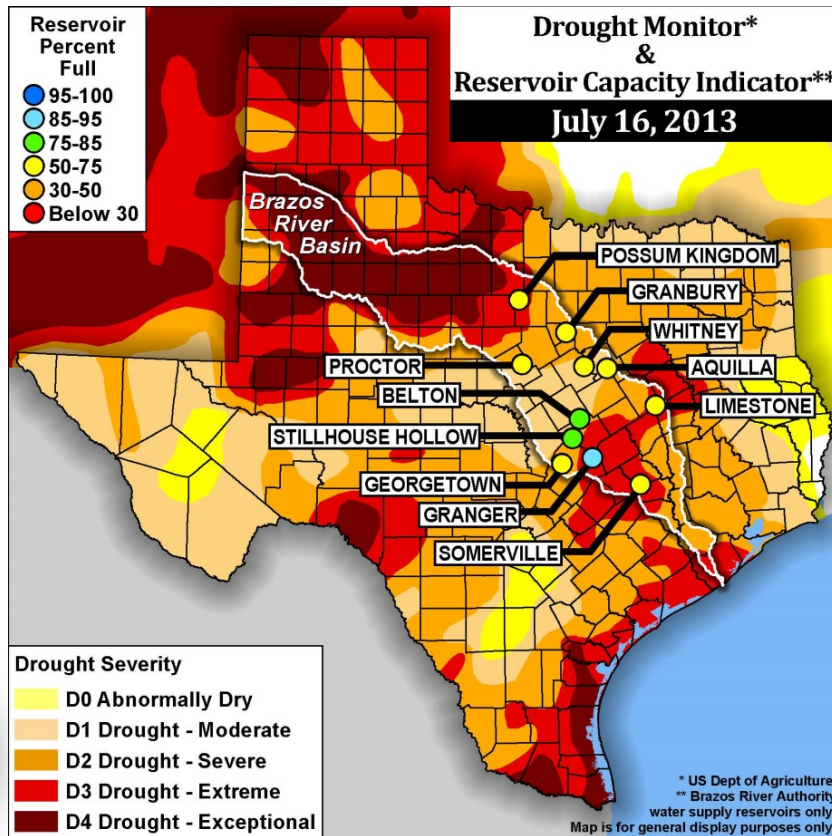
The City handled the 2011 drought with only voluntary restrictions



Compliance with FBSD rules in 2014
through surface water conversion
may change this approach



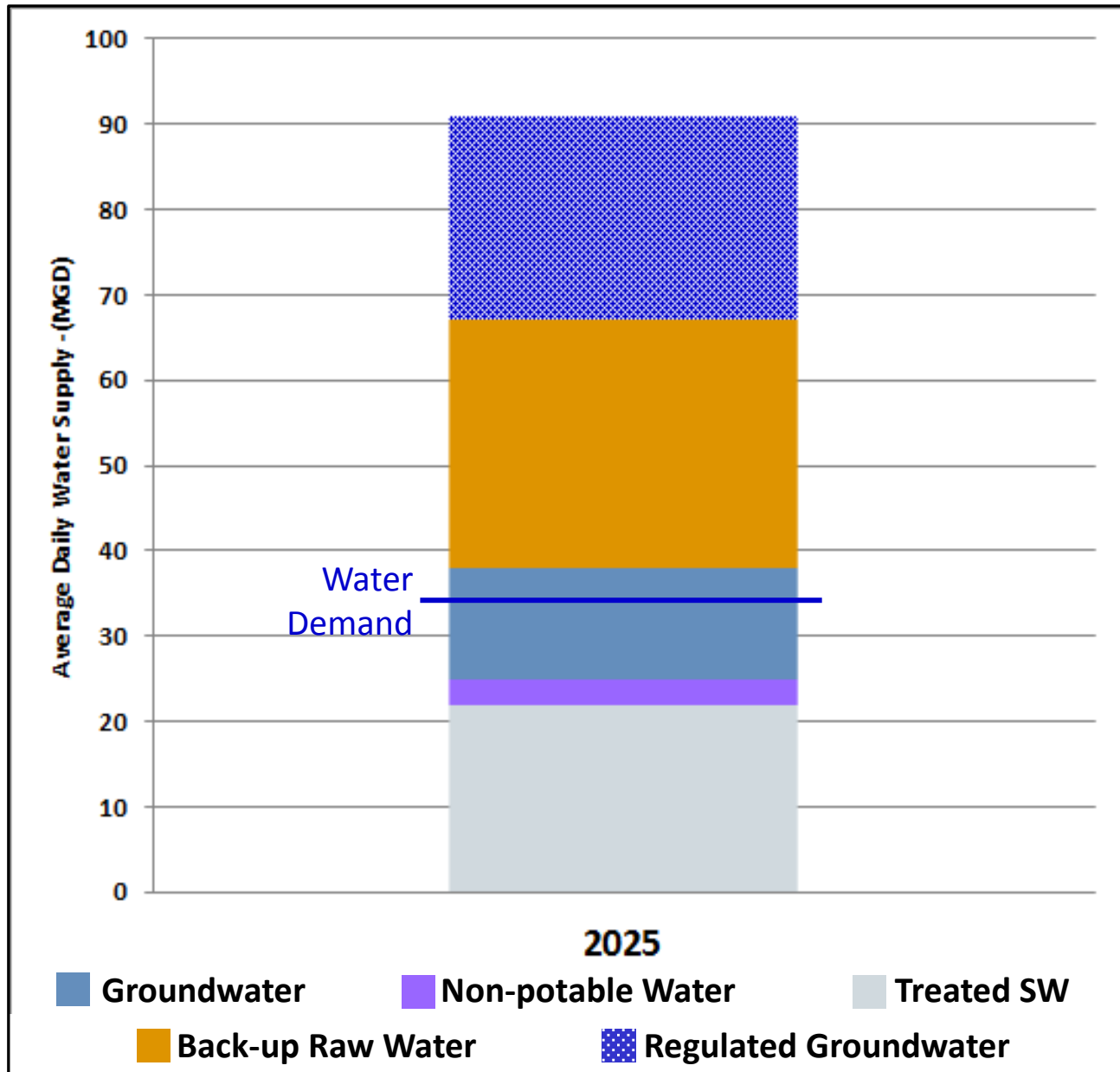
The 2013 drought is one of the worst in the history of the Brazos



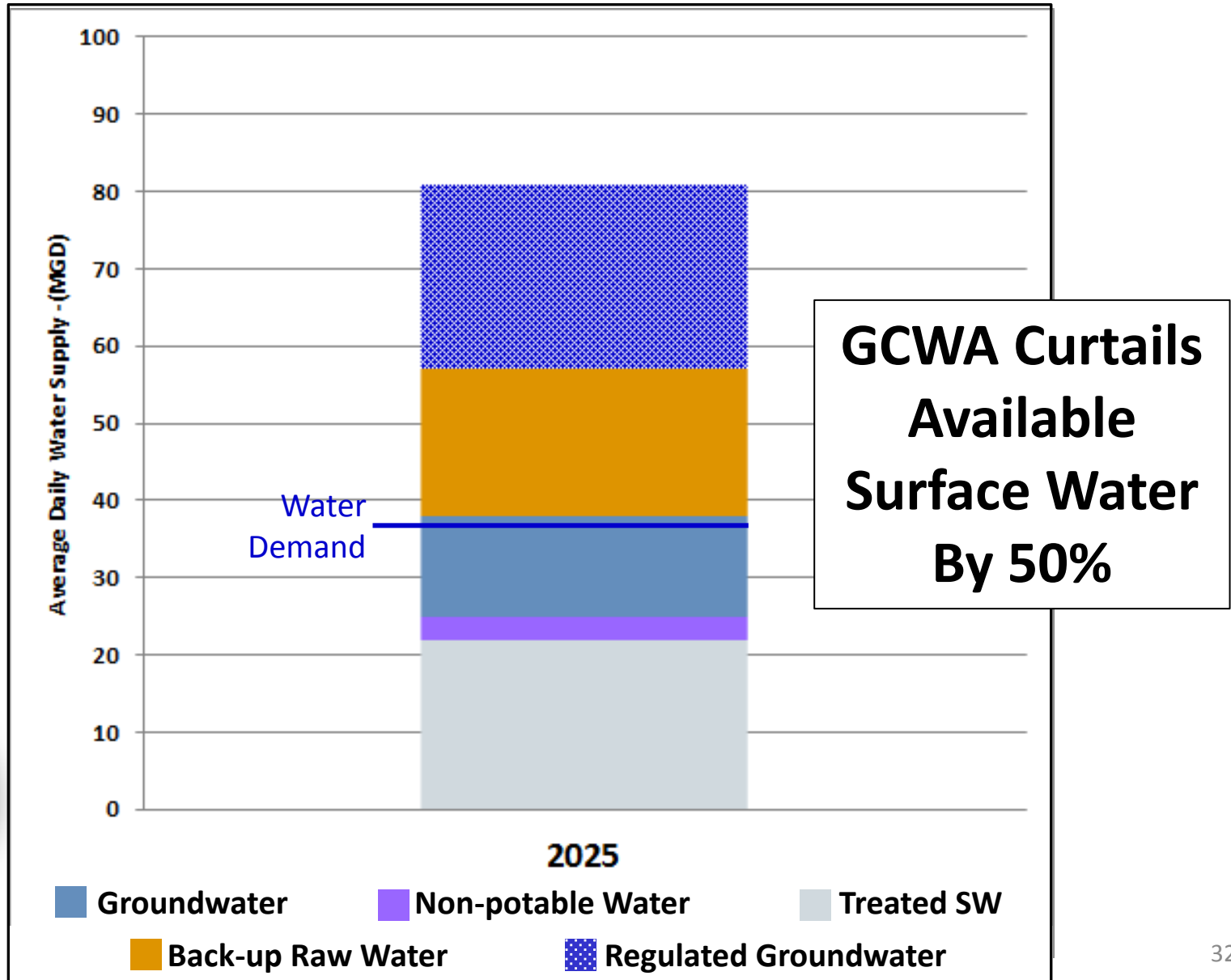
The City needs to consider how to
mitigate the risks associated with
drought



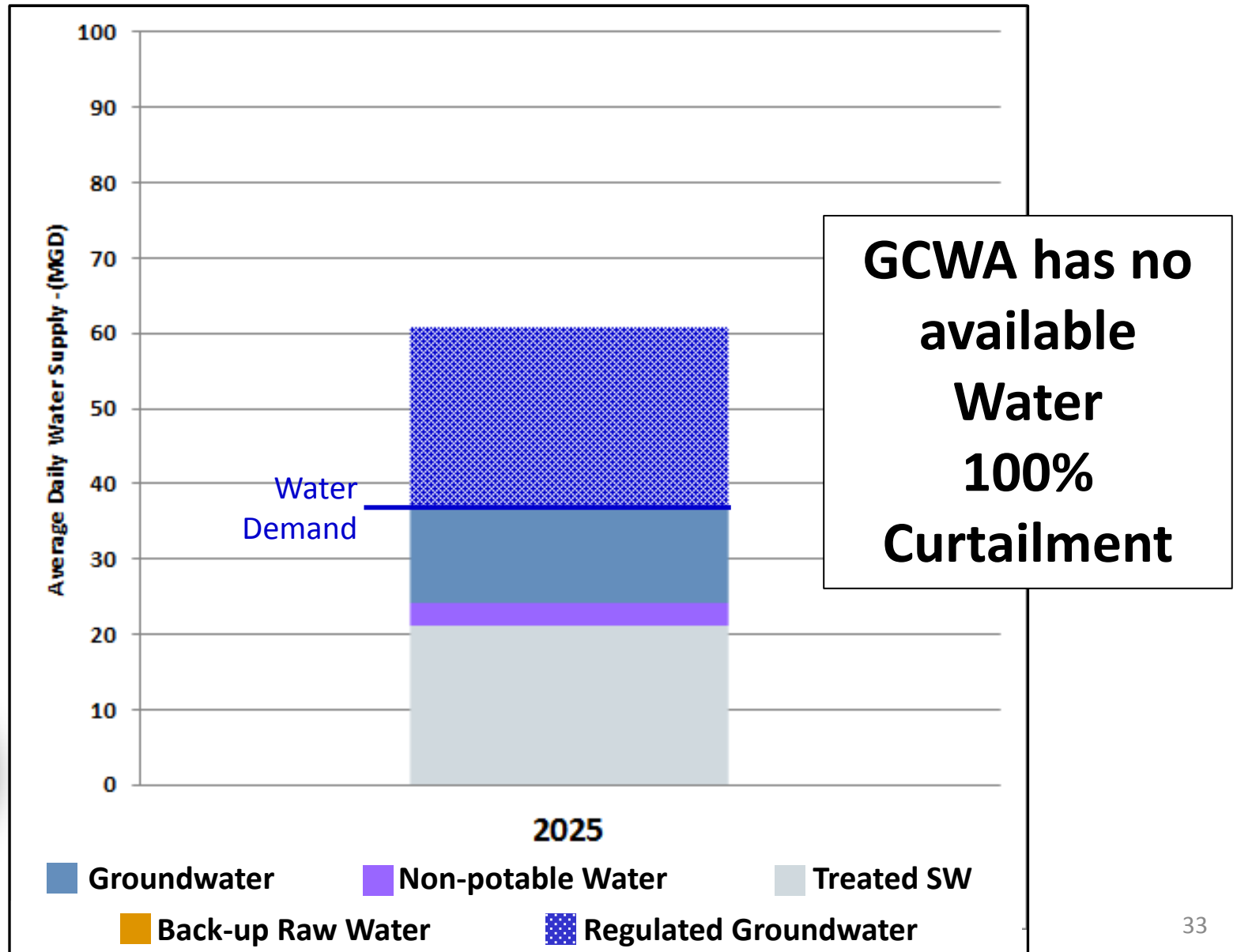
The Drought Story



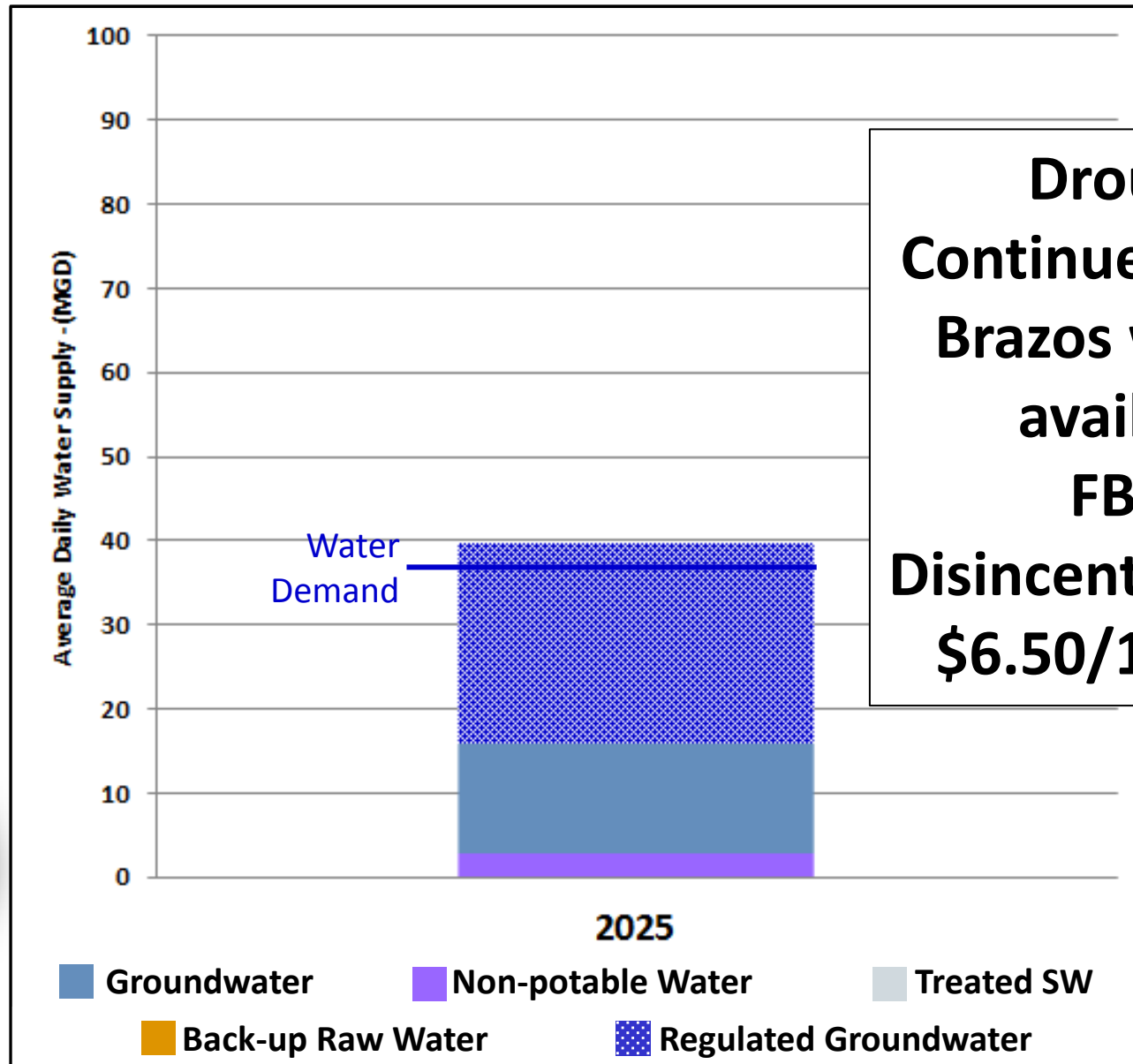
The Drought Story



The Drought Story



The Drought Story



**Drought
Continues and no
Brazos water is
available
FBSD
Disincentive Fee is
\$6.50/1000 gal**



What should we consider in
balancing this **risk** against the
cost of mitigation?

What if the risk is small and
cost is significant?



How important is **personal freedom** in considering options for responding to a drought?

How much should we **invest** to ensure maximum **choice**?



Wrap up



Is there anything we haven't covered
that you would like to share?



What is the most important thing
about planning for our future water
needs that you want us to leave with?



Where to find more info:

Project webpage address:

www.sugarlandtx.gov/waterplan

Contact Us:

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